Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Currently Amended): A three-dimensional, unitary, molded, polymeric article comprising a generally planar base section with a first side and a second side and at least one projecting element with a <u>lower portion</u> base section and a terminal part, with the at least one projecting element extending from the first side of the base section for the the generally planar base section wherein the <u>lower portion</u> base section of the at least one projecting element includes a core and a wall, a surface wherein the core of the <u>lower portion</u> base section of the at least one projecting element are formed therethrough of a first polymer material and the wall the surface of the lower portion of the at least one projecting element is formed of a second polymer material. <u>material</u>, wherein the generally planar base and the at least one projecting element form a unitary, molded article.
- 2. (Previously Presented): The article according to claim 1, wherein the first polymer material contains a first colored pigment and the second polymer material contains a second colored pigment.
- 3. (Currently Amended): The article according to claim 1, wherein the base section contains a pigment that is different from the terminal part of the at least one projecting element.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

4. (Currently Amended): The article according to claim 2, wherein the at least one projecting element includes a plurality of projecting elements each having a terminal part, wherein the base section and a portion of the plurality of terminal parts for the plurality of projecting elements contain the same pigment and a portion of the plurality of terminal parts for

the plurality of projecting elements contain a different pigment than the base section.

5. (Previously Presented): The article according to claim 1, wherein the first polymer material and the second polymer material are polymers selected from the group consisting of polyolefins, polyethylene, polypropylene, vinyl polymers, polystyrene, styrene-acrylonitrile copolymers, styrene-butadiene copolymers, acrylonitrile-butadiene-styrene graft copolymers, polyvinyl butyral, polyamides, nylon-6, nylon-6,6, thermoplastic, urethane polymers, thermoplastic elastomers, blends and alloys thereof.

6. (Cancelled):

7. (Previously Presented): The article according to claim 1, further comprising at least one from the group consisting of dyes, pigments of distinct colors and other fillers.

8. (Previously Presented): The article according to claim 1, wherein at least one of the first polymer material and the second polymer material is polyethylene.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

9. (Currently Amended): The article according to claim 1, further comprising a slip-

resistant sheet laminated to the base section. base.

10. (Currently Amended): The article according to claim 1, wherein the base section base

includes open spaces to facilitate cleaning.

11. (Currently Amended): The article according to claim 7, wherein the at least one

projecting element includes a plurality of projecting elements and the base section base contains

a pigment that is different from at least a minority of the plurality of projecting elements.

12. (Currently Amended): The article according to claim 7, wherein the base section base

contains a distinct pigment.

13. (Previously Presented): The article according to claim 1, wherein at least one of the

first polymer material and the second polymer material comprises polyethylene with a density in

the range of about 0.915 to about 0.92.

14. (Previously Presented): The article according to claim 1, further comprising at least

one dispersed functional filler selected from the group consisting of minerals, alumina, metal

14

oxides, conductive fillers and conductive polymers.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

15. (Previously Presented): The article according to claim 1, wherein the at least one

projecting element includes a plurality of projecting elements each having a terminal part and at

least some of the plurality of terminal parts are formed from at least one distinct polymer.

16. (Withdrawn): In a polymer molding apparatus for producing on a rotating cylindrical

mold a length of continuous, three-dimensional, molded, polymeric article comprising a plurality

of projecting elements extending from a base section, wherein said apparatus comprises:

(a) a rotatable, cylindrical mold having

(i) a plurality of circumferential, rows of cavities, and

(ii) a plurality of parallel grooves separating said rows of cavities; and

(b) a stationary polymer injection block in arcuate proximity to said mold and having

(i) a plurality of cavity injection ports for supplying polymer to corresponding

rows of cavities to form said projecting elements, and

(ii) a plurality of base-forming injection ports for supplying polymer to

corresponding parallel grooves to form said base section;

the improvement wherein said stationary polymer injection block comprises two

sets of circumferentially aligned, cavity injection ports for supplying at least two different

15

polymers to at least a portion of said cavities.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

17. (Withdrawn): An apparatus according to claim 16 wherein

(a) a first set of said two sets of circumferentially aligned, cavity injection ports supplies

a first polymer to a cavity area rotating into proximity with said first set of ports to form a base

section-proximate part of said projecting elements, and

(b) a second set of said two sets circumferentially aligned, cavity injection ports supplies

a second polymer to said cavity area rotating past said first port into proximity with said second

set of ports to form a terminal part of said projecting elements.

18. (Withdrawn): An apparatus according to claim 16 wherein said first set of said two

sets of circumferentially aligned, cavity injection ports and said surface injection ports

communicate with a common supply of a first molten thermoplastic polymer.

19. (Withdrawn): An apparatus according to claim 16 wherein at least one of said two

sets of circumferentially aligned, cavity injection ports and said surface injection ports further

comprises a polymer flow control valve.

20. (Withdrawn): An apparatus according to claim 16 further comprising wiper elements

affixed to said stationary polymer injection block and slidingly fitted into said grooves to contain

16

a second polymer.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

21. (Withdrawn): An apparatus according to claim 16 further comprising a back face in

communication with said base section.

22. (Withdrawn): An apparatus according to claim 21 wherein said back face is covered

with at least one gasketed backing plate machined to supply a first polymer at one or more

connections to a first polymer supply network and a second polymer having at least one

connection to a second polymer channel.

23. (Withdrawn): An apparatus according to claim 22 wherein said first polymer supply

network has one valve.

24. (Withdrawn): An apparatus according to claim 16 wherein said first polymer supply

network is void of valves.

25. (Withdrawn): An apparatus according to claim 16 wherein said stationary polymer

injection block comprises two sets of circumferentially aligned, cavity injection ports or supply

three or more distinct polymers to at least a portion of said cavities.

26. (Withdrawn): A method for forming a multi-polymer, three-dimensional article

17

comprising:

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

supplying a polymer from a first set of two sets of circumferentially aligned, cavity

injection ports to a cavity area in a mold drum rotating in arcuate proximity with said first set of

ports to form in said cavities base section-proximate parts of projecting elements; and

supplying a different polymer from a second set of said two sets of circumferentially

aligned, cavity injection ports to said cavity area rotating past said first set of ports into

proximity with said second set of ports to form in said cavities terminal parts of said projecting

elements.

27. (Withdrawn): The method according to claim 26 further comprising processing said

polymers at a temperature of about 200 degrees Celsius while maintaining a coolant circulating

through said mold drum at about 20 degrees Celsius.

28. (Withdrawn): The method according to claim 26 wherein said step of supplying said

polymer to said cavity area in a mold drum comprises the step of supplying said polymer to said

cavity area wherein said drum is rotating in the range of about 0.5 to about 5 rpm.

29. (Withdrawn): The method according to claim 26 further comprising the step of

cutting said article into desired shapes.

30. (Withdrawn): The method according to claim 26 further comprising the step of

18

adhering a rubberized fabric sheet to said article.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

31. (Withdrawn): The method according to claim 26 wherein said step of supplying a different polymer from a second set of said two sets of circumferentially aligned, cavity injection ports to said cavity area comprises supplying said polymer at a relatively high pressure to flow through a molten core of said polymer to said terminal parts of said cavity and advancing said first molten polymer toward said terminal end and said projecting elements.

- 32. (Withdrawn): The method according to claim 26 wherein said step of supplying a first polymer comprises supplying said first polymer at a low pressure so as to fill only parts of said cavity solidifying at said mold wall and having a generally molten core.
- 33. (Withdrawn): The method of claim 26 wherein said step of supplying a polymer comprises supplying said polymer to a cavity area in a mold drum wherein said mold drum is designed to produce extended lengths of grass-like sheet with blade-like elements extending from a ribbed base.
- 34. (Currently Amended): A three-dimensional, unitary, molded, polymeric article comprising a generally planar base section with a first side and a second side and at least one first plurality of projecting elements and at least one second plurality of projecting elements, each having a base section lower portion and a terminal part, and extending from the first side of the base section for the planar base section, generally planar base, wherein the at least one first

19

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

plurality of projecting elements, are formed of a first polymer material and the at least one second plurality of projecting elements are formed of a second polymer material. material, wherein the generally planar base, the at least one first plurality of projecting elements and the at least one second plurality of projecting elements form a unitary, molded article.

- 35. (Previously Presented): The article according to claim 34, wherein the first polymer material contains a first colored pigment and the second polymer material contains a second colored pigment.
- 36. (Currently Amended): The article according to claim 34, wherein the base the base section contains a pigment that is different from the at least one first plurality of projecting elements.
- 37. (Currently Amended): The article according to claim 34, wherein the base the base section contains a pigment that is different from the at least one second plurality of projecting elements.
- 38. (Previously Presented): The article according to claim 34, wherein the first polymer material and the second polymer material are polymers selected from the group consisting of polyolefins, polyethylene, polypropylene, vinyl polymers, polystyrene, styrene-acrylonitrile copolymers, styrene-butadiene copolymers, acrylonitrile-butadiene-styrene graft copolymers,

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

polyvinyl butyral, polyamides, nylon-6, nylon-6,6, thermoplastic, urethane polymers, thermoplastic elastomers, blends and alloys thereof.

- 39. (Previously Presented): The article according to claim 34, further comprising at least one from the group consisting of dyes, pigments of distinct colors and other fillers.
- 40. (Previously Presented): The article according to claim 34, wherein at least one of the first polymer material and the second polymer material is polyethylene.
- 41. (Currently Amended): The article according to 34, further comprising a slip-resistant sheet laminated to the base section. the base.
- 42. (Currently Amended): The article according to claim 34, wherein the base the base section includes open spaces to facilitate cleaning.
- 43. (Currently Amended): The article according to claim 39, wherein the base the base section contains a pigment that is different from at least a minority of the plurality of projecting elements.
- 44. (Currently Amended): The article according to claim 39, wherein the base the base section contains a distinct pigment.

Amendment A

Inventors: Roy L. Hood and Gary L. Noedel

Our Reference No. 713629.417

45. (Previously Presented): The article according claim 34, wherein at least one of the first polymer material and the second polymer material comprises polyethylene with a density in the range of about 0.915 to about 0.92.

46. (Previously Presented): The article according to claim 34, further comprising at least one dispersed functional filler selected from the group consisting of minerals, alumina, metal oxides, conductive fillers and conductive polymers.